



National  
Aeronautics and  
Space  
Administration

Patent Application

MSC-22953-3

(NASA Case No.)

## Letter Transmitting Patent Amendment

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JUN 30 2004

TECH CENTER 2800

THE COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, DC 20231

Sir:

Transmitted herewith is an amendment as identified below:

Serial No.: 09/840,683 Confirmation No.: 5289 Filed: 04/20/2001

Examiner: Long T. Nguyen Group Art Unit: 2816

Entitled: Method and Apparatus for Reducing the Vulnerability of Latches to Single Upset Events

The fee has been calculated as shown below:

CLAIMS AS AMENDED					
FOR (1)	CLAIMS REMAINING AFTER AMENDMENT (2)	HIGHEST NUMBER PREVIOUSLY PAID FOR (3)	PRESENT EXTRA (4)	RATE (5)	ADDITIONAL FEE (6)
TOTAL CLAIMS -----	* 13	** 37	= 0	x \$18.00	= \$0.00
INDEPENDENT CLAIMS -----	* 2	*** 4	= 0	x \$86.00	= \$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00

\*If the entry in column (2) is less than the entry in column (3), enter "0" in column (4).

\*\*If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter 20 in this space.

\*\*\*Minimum number here is 3, even though a lesser number appeared in the application as filed.

☒ No additional fee is required.

☐ Please charge our Deposit Account No. 14-0116 shown as "TOTAL ADDITIONAL FEE," above. The Commissioner is hereby authorized to charge an additional fee which may be required to effect the filing of this application under 37 CFR 1.16, or credit any overpayment to Deposit Account No. 14-0116.

June 17, 2004  
(Date)

James M. Cate 25181  
(Attorney of Record) (Reg. No.) 1

NOTE: This form is to be used when filing an amendment to a patent application.



<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/840,683
	Filing Date	04/20/2001
	First Named Inventor	Robert L. Shuler, Jr.
	Art Unit	2816
	Examiner Name	Long T. Nguyen
Total Number of Pages in This Submission	Attorney Docket Number	MSC-22953-3

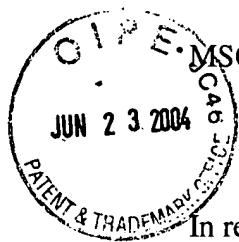
ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard Receipt
<div>Remarks Amendment in resport to Office Action of 3/18/2004.</div> <div><b>RECEIVED</b> JUN 30 2004 TECH CENTER 2800</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	NASA Johnson Space Center James M. Cate
Signature	<i>James M Cate</i>
Date	<i>June 17, 2004</i>

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	James M. Cate		
Signature	<i>James M Cate</i>	Date	<i>6-17-2004</i>

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



MSC-22953-3

Patent Application

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Robert L. Shuler, Jr.

Serial No.: 09/840/683

Filed: April 20, 2001

For: Method and Apparatus for Reducing §  
The Vulnerability of Latches to §  
Single Event Upset §

Group Art Unit: 2816

Examiner: Long T. Nguyen

Confirmation No. 5289

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Mail Stop Drawing Review Branch  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Mail Stop Non-Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

*June 17, 2004*  
*James M. Cate*  
Signature James M. Cate

**LETTER TO DRAWING PROCESSING BRANCH**  
**SUBMISSION OF REPLACEMENT DRAWINGS (37 C.F.R. 1.85)**

Sir:

In response to the examiners objection to the drawings (Figures 1-3, and Figures 7A-7B), included with the Office Action Paper No. 8 dated March 18, 2004, replacement drawings in the above-identified application, drawing sheet 1 (Figures 1-3) and drawing sheet 2 (Figures 7A-7B) are enclosed herewith.

In the event that the enclosed drawings are not acceptable, it is respectfully requested that the Draftsman call Applicants' attorney, at 281/483-1001, with respect to any further requirements.

It is requested that any additional fees which may be due with respect to the application or as may be required for processing the drawing be charged to Deposit Account No. 14-0116.

Respectfully submitted

Date:

June 17, 2004

James M. Cate

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